

Title (en)

METHOD AND APPARATUS FOR PERFORMING RADIO-RESOURCE-MANAGEMENT MEASUREMENTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DURCHFÜHRUNG VON FUNKRESSOURCENVERWALTUNGSMESSUNGEN

Title (fr)

PROCÉDÉ ET APPAREIL PERMETTANT D'EFFECTUER DES MESURES DE GESTION DE RESSOURCES RADIO

Publication

EP 3251300 B2 20230913 (EN)

Application

EP 15880512 A 20150130

Priority

US 2015013863 W 20150130

Abstract (en)

[origin: WO2016122622A1] A method and apparatus may include receiving, by a first network node, mapping information from at least one second network node. The mapping information indicates restrictions with respect to antenna ports to be used for measurements on each of one or more channel-state-information-reference-signal resources transmitted by at least one second network node. The method may also include transmitting a message to a user equipment. The message configures the user equipment to measure channel-state-information-reference-signal-received power from at least one of said one or more channel-state-information-reference-signal resources. The method may also include receiving a reporting from the user equipment.

IPC 8 full level

H04B 7/0417 (2017.01); **H04B 7/06** (2006.01); **H04L 5/00** (2006.01)

CPC (source: EP US)

H04B 7/0417 (2013.01 - EP US); **H04B 7/0456** (2013.01 - US); **H04B 17/318** (2013.01 - US); **H04W 24/08** (2013.01 - US); **H04B 7/0695** (2013.01 - EP US); **H04L 5/0023** (2013.01 - EP US); **H04L 5/0091** (2013.01 - EP US); **H04W 8/005** (2013.01 - US); **H04W 84/042** (2013.01 - US)

Citation (opposition)

Opponent :

- EP 2797353 A1 20141029 - HUAWEI TECH CO LTD [CN]
- US 2014112184 A1 20140424 - CHAI LI [CN]
- US 2014177601 A1 20140626 - NISHIO AKIHIKO [JP], et al
- EP 2747494 A1 20140625 - HUAWEI TECH CO LTD [CN]
- EP 2717621 A1 20140409 - HUAWEI TECH CO LTD [CN]
- WO 2013131401 A1 20130912 - ZTE CORP [CN]
- CN 103220703 A 20130724 - HUAWEI TECH CO LTD
- US 2014204765 A1 20140724 - CHAI LI [CN], et al
- WO 2014092475 A1 20140619 - SAMSUNG ELECTRONICS CO LTD [KR]
- US 2013196675 A1 20130801 - XIAO WEIMIN [US], et al
- WO 2012061749 A2 20120510 - QUALCOMM INC [US], et al
- CN 103516449 A 20140115 - UNIV XI AN POSTS & TELECOMM
- WO 2013133596 A1 20130912 - LG ELECTRONICS INC [KR]
- WO 2013138984 A1 20130926 - NOKIA SIEMENS NETWORKS OY [FI], et al
- US 2015010106 A1 20150108 - SKOV PETER [CN], et al
- WO 2014062029 A1 20140424 - SAMSUNG ELECTRONICS CO LTD [KR]
- US 2012315859 A1 20121213 - LEE MOON IL [KR], et al
- ZTE: "Link level simulation results for CSI-RSRP measurement", 3GPP DRAFT; R4-123837-LINK LEVEL SIMULATION RESULTS FOR CSI-RS RSRP MEASUREMENT, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG4, no. Qingdao, China; 20120813 - 20120817, 6 August 2012 (2012-08-06), Mobile Competence Centre ; 650, route des Lucioles ; F-06921 Sophia-Antipolis Cedex ; France
- HUAWEI, HISILICON: "Support of Discovery Signals measurement in TS 36.331", 3GPP DRAFT; 36331_CR1664_(REL-12)_R2-145324_DS V10, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. San Francisco, USA; 20141117 - 20141121, 21 November 2014 (2014-11-21), Mobile Competence Centre ; 650, route des Lucioles ; F-06921 Sophia-Antipolis Cedex ; France
- LG ELECTRONICS INC.: "RSRQ measurement of serving cell considering DMTC", 3GPP DRAFT; R2-145224 RSRQ MEASUREMENT OF SERVING CELL CONSIDERING DMTC, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG2, no. San Francisco, USA; 20141117 - 20141121, 17 November 2014 (2014-11-17), Mobile Competence Centre ; 650, route des Lucioles ; F-06921 Sophia-Antipolis Cedex ; France
- HUAWEI, HISILICON: "Details of CSI-RS based received signal quality measurements", 3GPP DRAFT; R1-121949, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Prague, Czech Republic; 20120521 - 20120525, 12 May 2012 (2012-05-12), Mobile Competence Centre ; 650, route des Lucioles ; F-06921 Sophia-Antipolis Cedex ; France
- HUAWEI, HISILICON: "Consideration on CSI-RS configuration", 3GPP DRAFT; R2-111555 R1-111156, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. Taipei, Taiwan; 20110221, 24 February 2011 (2011-02-24), Mobile Competence Centre ; 650, route des Lucioles ; F-06921 Sophia-Antipolis Cedex ; France

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2016122622 A1 20160804; EP 3251300 A1 20171206; EP 3251300 A4 20180926; EP 3251300 B1 20210106; EP 3251300 B2 20230913; ES 2847624 T3 20210803; ES 2847624 T5 20240223; FI 3251300 T4 20231228; PL 3251300 T3 20210504; PL 3251300 T5 20231120; US 10355757 B2 20190716; US 2018019790 A1 20180118

DOCDB simple family (application)

US 2015013863 W 20150130; EP 15880512 A 20150130; ES 15880512 T 20150130; FI 15880512 T 20150130; PL 15880512 T 20150130;
US 201515547024 A 20150130